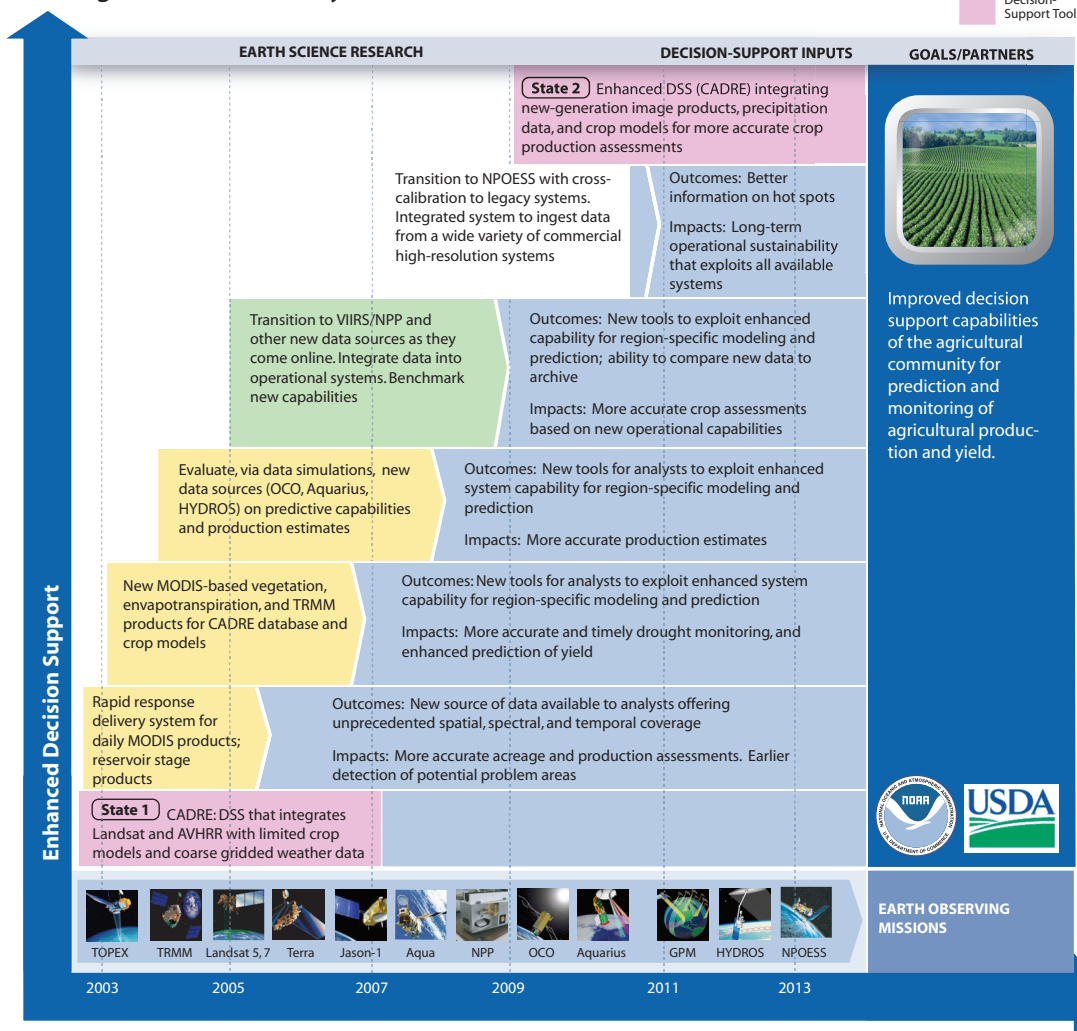


Roadmap

Agricultural Efficiency

Unfunded
Funded
Decision-Support Tool



Where we are now

USDA Foreign Agriculture Service (FAS) using data from Landsat, MODIS, AVHRR, Jason-1, and TOPEX/Poseidon in production and yield estimates issued by the World Agricultural Outlook Board for major agricultural commodities. USDA using Earth science data to improve the timeliness and accuracy of FAS reports on disruption in agricultural productivity due to floods, fires and other natural phenomena

USDA and NASA have a partnership agreement to integrate Earth science data into agricultural decision-support tools

Where we plan to be

USDA and FAS using NPP to enhance climate and weather predictions to assess and report on agricultural conditions

USDA using observations from HYDROS, GPM, OCO, and Aquarius to drive predictive models that incorporate information on soil moisture, rainfall, carbon fluxes, and sea surface salinity into better estimates of climate impact

2004 ————— 2012